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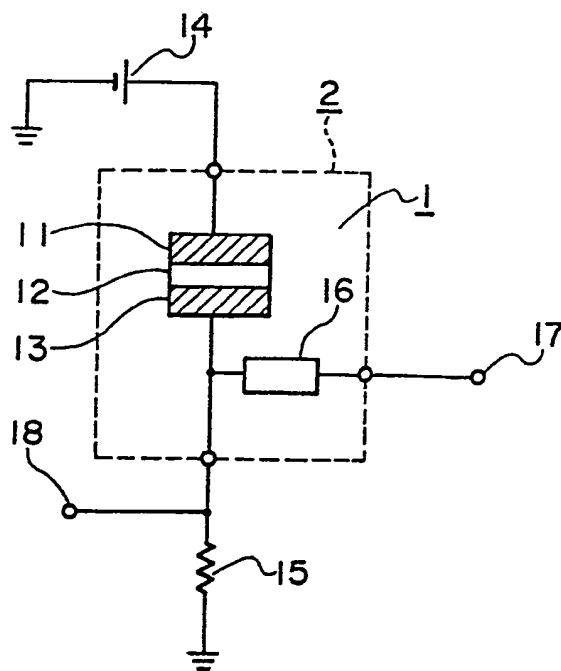
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54 Switching device.

57 A switching device is characterized by having a periodical layer structure of an organic insulator between a pair of electrodes and having memorizability with respect to switching characteristics. The layer

structure is formed of an amphiphilic compound according to the LB method.

FIG. 1





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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	APPLIED PHYSICS LETTERS vol. 31, no. 9, 1st November 1977, pages 553-555, New York, U.S.A.; CHUN CHIANG: "A model of switching and negative resistance phenomenon in organic thin film with dipoles". * figures 1,2; page 553 *	1,45,46	H 01 L 29/28 H 01 L 45/00
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X	ELECTRONIC LETTERS vol. 21, no. 10, May 1985, pages 439-441, Stevenage, Herts, Great Britain; W. FULOP et al.: "Dielectric switching with memory in thin films of stearic acid." * whole document *	1,3,45, 46,53	
Y	idem	49-52, 54-58	
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The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 20-02-1989	Examiner JUHL A.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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P,X	EP-A-0 232 829 (KANEKAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA) * abstract; page 54, paragraph 3; claims * ---	1-3,41, 42	
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Y	JOURNAL OF MOLECULAR ELECTRONICS vol. 1, no. 1, July/September 1985, pages 3-17, Chichester, Sussex, Great-Britain; M. SUGI: "Langmuir-Blodgett films - a Course Towards Molecular Electronics: a Review." * pages 14,15; figures 12-14 * ---	30,35	
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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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The present search report has been drawn up for all claims			
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